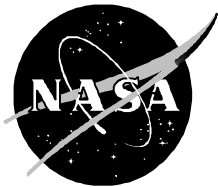# VERSION DESCRIPTION DOCUMENT FOR THE NASA SUPPLY MANAGEMENT SYSTEM (NSMS)

Release 6.6.1

PrISMS Contract

August 2000

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA SUPPLY MANAGEMENT SYSTEM (NSMS)
RELEASE**

Approved by

_____

Sheila Fogle   Date
Consolidation Center
Project Manager

_____

Nikita Zurkin   Date
Program Functional Manager

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

August 2000

1   <u>INTRODUCTION</u>

1.1   Identification of the Release

This software release is identified as the National Aeronautics and Space Administration (NASA) Supply Management System (NSMS), Version Description Document (VDD), Release 6.6.1.

The release has an effective date of August 15, 2000 and is scheduled for implementation by September 15, 2000. Support of the previous release expires on the implementation date of release 6.6.1.

1.2   Purpose of the Release

This release includes system modifications as specified in Sections 2.0 and 3.0 of this document.

1.3   Scope of the Release

This release provides the functional and technical user of NSMS with changes to the contents and status of the application NSMS, Version 6.6.1, including the following:

- Validation procedures to ensure the reliability of those changes.
- References to other documents affected by this release.
- Detail software installation procedures.

1.4   Contact Points

Questions regarding the functional and/or technical aspects for NSMS, as well as the installation of this release, should be directed to:
    Pam Leak at telephone number (256)544-1388 or
        by e-mail Pam.Leak@msfc.nasa.gov
    Steve Rowell at telephone number (256)544-1452 or
        by e-mail Steve.Rowell@msfc.nasa.gov
    The fax number is (256)544-1836.

2 <u>FUNCTIONAL INFORMATION</u>

2.1 FUNCTIONAL CHANGES

This release incorporates Requirement Changes (RC) approved by the Configuration Control Board (CCB).

This release incorporates Discrepancy Report (DR) 976.

This release includes the necessary modules to incorporate RC 970 approved by the CCB.

THIS RELEASE SHOULD NOT BE INSTALLED IN PRODUCTION IF THERE ARE INVENTORY COUNTS ALREADY IN PROGRESS.

1. ENHANCEMENT -- (Semi-Annual Personal Property 1324 Report) 1620# - 970

Just-In-Time (JIT) items are being added to the 1324 report as part of item #7 (Line item refused) when it is considered as an over-the-counter issue. The 1324 report is always corrected manually to reflect the right data excluding the JIT transactions.

ACTION – Change the 1324 Report program to exclude or identify separately all Supply-Coded J (Just-In-Time items) in the 1324 reporting process.

2. PROBLEM - (RECEIVE DUE-IN NOT-DUE-IN) 1620# - 976

When receiving a due in/out asset that is Interchangeable and substitutable, federal direct buy and it has no asset and no catalog record receiving a fatal error 3113 at line 3115.

ACTION – Correct the process to receive due in /out that is federal direct buy and interchangeable and substitutable.

2.2   FUNCTIONAL INTERFACES

The release has no functional impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

2.3   CRITICAL ISSUES

THIS RELEASE SHOULD NOT BE INSTALLED IN PRODUCTION IF THERE ARE INVENTORY COUNTS ALREADY IN PROGRESS.

2.4   AFFECTED DOCUMENTS

The only document affected by this release is the NSMS-UOG-10, NSMS User and Operations Guide (UOG) dated July 2000.

2.5   APPLICATION SYSTEM ADMINISTRATION

Enhancement 970
1. Add the Asset 1324 Balance task to the Online Tasks Maintenance (TASKS) in the NS domain with:

FUNCTION:	A
TASK TYPE:	P
Task ID:	NSPT132C
Press <enter>	

Enter: Command name:	LICT1324
Type:	Batch
Title:	Asset 1324 Balance
Secured:	N
Function:	blank
Comment:	N

2. Add the appropriate security (SECURITY) to the users for the appropriate task(s). Remember to refresh the settings for the current session using the INIT command.

3. Add the Asset 1324 Balance Update to the Batch Task Maintenance (BATCHTSK) in the NS domain with:

Action:	A
Task ID:	NSPU132B
Task name:	Asset 1324 Balance
Parameter Input Module:	blank
Number of work files:	blank

     Report ID: NSRB132S
     Name: Asset 1324 Balance
     File No: 1

4. Add the Asset 1324 Balance to the Batch Job Maintenance (BATCHJOB) in the NS domain with:

     Job ID: LICT1324
     Job Name: Asset 1324 Balance
     Type of scheduling: U (User Initiated)
     Type of submission: I (Immediate)
     Task ID: NSPU132B

     Specify Copies, Output Type, and Output Option data for:
     Report ID: NSRB132S
     Report Name: Asset 1324 Balance
     File No: 1

5. Add the tasks to the Headquarters Reports Menu using the Online Tasks Maintenance (TASKS) process in the NS domain:

     FUNCTION: M
     Task ID: NSMNHRPT

     Add NSPT132C to the menu.

3 <u>TECHNICAL INFORMATION</u>

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

3.1 TECHNICAL SYSTEM INTERFACES

This NSMS release has no technical impact on interfaces with other NASA legacy Agencywide Administrative Systems or configuration items.

3.2 DATA DICTIONARY CHANGES

Refer to Appendix D, Section 4.0, for the data dictionary changes in this release.

3.3 SOFTWARE OBJECT CHANGES

Modules affected by this release are included in Appendix D, Section 2.2.

3.4 DATABASE ADMINISTRATION

This section describes the database administration activities for installation of this release.

3.4.1 Release Dataset Names

Refer to Appendix D, Introduction section, for the release dataset names.

3.4.2 Inventory of Objects

Refer to Appendix D, Paragraph 2.1, for an inventory of Natural object types.

3.4.3 Storage Considerations

The changes represented by this release should not affect storage requirements.

3.4.4 Installation Procedures

Refer to Appendix D, Installation Instructions for NSMS Software Release 6.6.1 for detailed software installation procedures.

3.5   OPERATIONAL PREPARATION

Refer to the procedure described in Appendix D for assistance in preparing for proper installation and operational use of the release.

4   KNOWN AND OPEN PROBLEMS

There are no known or open problems related to this release.

APPENDIX A

LIST OF ACRONYMS

ADP   Automated Data Processing

CCB   Configuration Control Board
CCR   Change Control Request

DR   Discrepancy Report

JCL   Job Control Language
JIT   Just In Time

NACC   NASA Automated Data Processing (ADP) Consolidation Center
NASA   National Aeronautics and Space Administration
NSMS   NASA Supply Management System
NSN   National Stock Number

RC   Requirements Change

UOG   User and Operations Guide

VDD   Version Description Document

APPENDIX B

GLOSSARY

This document has no terms to be defined.

APPENDIX C

FUNCTIONAL CHANGE VALIDATION PROCEDURES

1. ENHANCEMENT -- (Semi-Annual Personal Property 1324 Report) 1620# - 970

Just-In-Time (JIT) items are being added to the 1324 report as part of item #7 (Line item refused) when it is considered as an over-the-counter issue. The 1324 report is always corrected manually to reflect the right data excluding the JIT transactions.

ACTION – Change the 1324 Report program to exclude or identify separately all Supply-Coded J (Just-In-Time items) in the 1324 reporting process.

SPECIAL NOTES:
In order to verify the accumulated totals produced from the Asset 1324 Balance, two adhocs are provided to verify the totals. It would be advisable to run the Asset 1324 Balance and then run the provided adhocs. These jobs should be run back to back without any asset data being changed in NSMS (no assets additions, no deletion of discontinued asset, no discontinued assets, no direct delivery additions, no transactions that would affect asset quantity or price, etc.) For the purposes of this test, simply run the three jobs and verify the output without intervening updates in NSMS.

VALIDATION
- Using the Asset 1324 Balance (LICT1324) process, submit the batch job. Process to completion. Note: The asset records will be accumulated for each domain in the Site Parameter table.
- Using the provided adhoc NSMS9701, submit a batch job to execute the adhoc. The adhoc is written to include only domains with the first position of the domain equal to 'N' and that should be included in the Semiannual Personal Property 1324 Report.
- Using the provided adhoc NSMS9703, submit the batch job to execute the adhoc. The adhoc is written to read all assets regardless of the Site Parameter table (not discontinued, not direct delivery, not a control or substore asset) and produce a count of assets and dollar value by stock status code. It will include assets flagged as JIT (asset-supply-type-code = 'E' or 'J') as a separate count by stock status code. It also prints all domains in the Site Parameter table and the corresponding values in the 'INCLUDE IN 1324 HQ' and 'AS PRE-EXPENDED' fields.
- Using the output produced from both jobs (Asset 1324 Balance and NSMS9701), verify the totals for the NASA domains match.

- Using the output produced from both jobs (Asset 1324 Balance and NSMS9703), verify the totals for by domain match. Note: If assets records exist without a Site Parameter table, there will not be a total for the missing domain on the Asset 1324 Balance Report.

2. PROBLEM - (RECEIVE DUE-IN NOT-DUE-IN) 1620# - 976

When receiving a due in/out asset that is Interchangeable and substitutable, federal direct buy and it has no asset and no catalog record receiving a fatal error 3113 at line 3115.

ACTION – Correct the process to receive due in /out that is federal direct buy and interchangeable and substitutable.

VALIDATION
- Using the Commercial Order Demand Items (CODIRECT) process, add a due in for a non-existing asset. Enter a source document number and a purchase order number. Process to completion. Note the NSN, Stock Status Code and Stock Ownership. This asset will be known as AssetC1.
- Using the I & S Table Maintenance (IANDSTAB) process, add a different non-existing asset to the table as the master NSN (this asset will be known as AssetC2). Add AssetC1 as the interchangeable NSN. Process to completion. Note: the FSC Code should match for the assets.
- Using the Receive Due-in Not-Due-in (DINOTDI) process, receive the due-in for AssetC1 using the source document number. The pop-up window will be presented asking if the stock number of the item being received matches the stock number shown above? Respond to the question with a No. An additional screen will be presented listing the NSNs from the IandS table. Enter the number of the line which contains AssetC2. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the receipt transaction is for AssetC2.
- Using the Fed/Mil Order Demand Items (FEDEMAND) process, add a due in for a non-existing asset. Enter a source document number. Process to completion. Note the NSN, Stock Status Code and Stock Ownership. This asset will be known as AssetF1.
- Using the I & S Table Maintenance (IANDSTAB) process, add a non-existing asset to the table as the master NSN (this asset will be known as AssetF2). Add AssetF1 as the interchangeable NSN. Process to completion. Note: the FSC Codes should match for the assets.

- Using the Receive Due-in Not-Due-in (DINOTDI) process, receive the due-in for AssetF1 using the source document number. The pop-up window will be presented asking if the stock number of the item being received matches the stock number shown above? Respond to the question with a No. An additional screen will be presented listing the NSNs from the IandS table. Enter the number of the line which contains AssetF2. Process to completion.
- Using the Monitor Transaction (MONTRANS) process, verify the receipt transaction is for AssetF2.

APPENDIX D

INSTALLATION INSTRUCTIONS AND CHECKLIST

Introduction

Release information:

System Name: NSMS
Release Number: 6.6.1
Release Date: August 2000
Effective Date: Immediately

In case of installation problems, contact the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center (Use following Key Words: SESAAS & NSMS)

> Telephone: (256) 544-6673
> Email: pam.leak@msfc.nasa.gov
> FAX: (256) 544-1836

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- xxMOV.NSMS.PROD.R661.R0800.DOC
- xxMOV.NSMS.PROD.R661.R0800.PRD
- xxMOV.NSMS.PROD.R661.R0800.SRC

Where "xx" is replaced by the appropriate NASA Center designation.

AR – ARC
DF - DFRC
GS - GSFC
HQ - HQ
J5 – JSC
KS - KSC
LA – LaRC
LE – GRC (Glenn)
MS - MSFC
SS - SSC

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. A checklist is provided in Section 10.0 to assist in tracking the installation of this release.

  1.0   Back Up Existing Data
  2.0   Copy Source/Object Code
  3.0   Pre-Predict Data Conversion
  4.0   Install Predict
  5.0   Catalog Source Code
  6.0   Post-Predict Data Conversion
  7.0   Load Natural Error Messages
  8.0   Perform Release-Specific Procedures
  9.0   Local JCL Mods
9.0   Installation Checklist

1. Back Up Existing Data

It is advisable to back up all NSMS files as a precautionary measure prior to installation.

2. Copy Source/Object Code

2.1 Load Source Code

Load the NSMS source modifications from the dataset
xxMOV.NSMS.PROD.R661.R0800.SRC. The source programs were unloaded
using the Natural utility NATUNLD. The programs will be loaded to the
application library named NSMS, replacing any existing programs of the same
name. The source module counts included in this release are listed below:

Natural Source Modules by Type	
GLOBAL DATA AREA	0
LOCAL/PARAM DATA AREA	1
MAPS	3
HELP ROUTINES	0
SUBROUTINES	0
SUBPROGRAMS	0
PROGRAMS	5
COPYCODE	0
TEXT	0
PROCESS	0
MISCELLANEOUS OBJECTS	0
Total:	**9**

2.2 List of Source Code Modifications

The following are the modules added, modified and deleted.

Added Modules

MODULE ID	MODULE NAME	TYPE	CCR#
NSPT132C	Asset 1324 Balance	PGM	970
NSPU132B	Asset 1324 Balance	PGM	970
NSMF132F	Asset 1324 Balance	MAP	970
NSMF132G	Asset 1324 Balance	MAP	970
NSDL132D	Asset 1324 Balance	LDA	970
NSMS9701	Adhoc – Verify Asset 1324 Balance	PGM	970
NSMS9703	Adhoc – Verify Asset 1324 Balance	PGM	970

Changed Modules

MODULE ID	MODULE NAME	TYPE	CCR#
NSMPINIT	NSMS Initial Map	MAP	
NSPTRCPT	Receive Due-In Not Due-In	PGM	976

Deleted Modules

There are no modules to be deleted in this release.

3.0 Pre-Predict Data Conversion

There is no Pre-Predict data conversion for this release.

4.0 Install Predict

4.1 Data Dictionary Changes

This release will include the new enhancements for version 6.6.1. Details for changes in this release can be found under paragraph 4.1.3 Physical File Changes or by performing PREDICT reporting on the keyword NSMS-6.6.1.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NSMS.PROD.R661.R0800.PRD.

The following NSMS DDM should be generated after the PREDICT load is complete.

NS-TABLES

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

PREDICT Objects by Type:

```
Keyword                 -       1
Standard Files          -       1
Conceptual Files        -       1
ADABAS Files and Views  -       2
```

4.1.2 Storage Considerations

The changes represented by this release should not affect storage requirements.

4.1.3 Physical File Changes

Use the ADABAS Utility commands listed below to build the JCL for file changes. The ADADBS control statements can be cut and pasted into the TSO ISPF editor. Call RICK BISHOP (256) 544-5352 with any questions or problems.

Add the following fields:

```
NS-TABLES-FILE                          File # 181
Ty L Field ID                           F   Length   Occ   D U DB S
*- - ------------------------------ *- -------- ----- * * -- *
**   +++ SEMI-ANNUAL 1324 REPORT
   1 STOCK-STATUS-CODE                   A      1.0              FV N
   1 RPT1324-COPY-DATE                   N      8.0              FY N
   1 RPT1324-JIT-LINE-ITEM-QTY           P      7.0              FZ N
   1 RPT1324-JIT-TOTAL-AMT               N     11.2              GA N
   1 RPT1324-SSC-LINE-ITEM-QTY           P      7.0              GB N
   1 RPT1324-SSC-TOTAL-AMT               N     11.2              GC N
```

Using the following commands:

```
ADADBS NEWFIELD FILE=181
ADADBS FNDEF='01,FV,1,A,NU'
ADADBS FNDEF='01,FY,8,U,NU'
ADADBS FNDEF='01,FZ,7,P,NU'
ADADBS FNDEF='01,GA,13,U,NU'
ADADBS FNDEF='01,GB,7,P,NU'
ADADBS FNDEF='01,GC,13,U,NU'
```

Invert the following fields:

```
NS-TABLES-FILE                            File # 181
Ty L Field ID                             F  Length   Occ   D U DB S
*- - ------------------------------- *- -------- ----- * * -- *
SP 1 RPT1324-DOM-DATE-SSC                 A    11.0          D   GD
```

Using the following commands:

ADAINV INVERT FILE=181
ADAINV TEMPSIZE=??,SORTSIZE=??
ADAINV SUPDE='GD=A8(1,2),FY(1,8),FV(1,1)'

5.0 Catalog Source Code

Run a batch job to catalog (CATALL) all modules in the NSMS or other named library. It **IS NOT NECESSARY** to catalog the Global Data Area. The NASA Batch standard parameters should be used for the compile.

After all objects are compiled, the NSMS application will run under the NASA On-line standard parameter.

6.0 Post-Predict Data Conversion

There is no Post-Predict data conversion for this release.

7.0 Load Natural Error Messages

There are no error messages for this release.

8.0 Perform Release-Specific Procedures

There are no release specific procedures for this release.

9.0 Local JCL Mods

There are no local JCL mods for this release.

10.0 Installation Checklist
      1.0   Back Up Existing Data
      2.1   Load Source Code
      4.0   Install Predict
      5.0   Catalog Source Code